

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006690

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C08G77/02 C04B28/22 C04B38/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C08G C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 198 51 290 A (ZENI VITTORIO ; CUMER SERGIO (IT)) 12 May 1999 (1999-05-12) page 2, column 3 – page 2, column 50; claims; examples 1,2 -----	1-40
X	US 4 824 807 A (BLOUNT DAVID H) 25 April 1989 (1989-04-25) example 8(n); example 13 (a),(b); example 16(c),(d),(p) column 7, line 1 – column 7, line 41; claims -----	1-40
X	DE 296 16 052 U (KRAFFT ALFRED PETER) 2 January 1997 (1997-01-02) page 3, line 5 – page 3, line 25 page 5, line 25 – page 18, line 9 page 28, line 8 – page 35, line 15; claims; tables 1,2 -----	1-40

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :	
A document defining the general state of the art which is not considered to be of particular relevance	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
E earlier document but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
O document referring to an oral disclosure, use, exhibition or other means	*&* document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search	Date of mailing of the international search report
30 September 2004	06/10/2004

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Kolitz, R
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US 4824807	A	25-04-1989	US US	4908339 A 4945074 A	13-03-1990 31-07-1990	
DE 29616052	U	02-01-1997	DE DE AT AU WO DE DE EP JP	19600977 A1 29616052 U1 194000 T 2149097 A 9725291 A2 19780011 D2 59701911 D1 0873283 A2 2000502984 T	17-07-1997 02-01-1997 15-07-2000 01-08-1997 17-07-1997 28-01-1999 27-07-2000 28-10-1998 14-03-2000	